

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P#

Luminaire Tested: P3ART02R70B2750DE010 E3CLSWW1MW_2700K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R70B2750DE010 E3CLSWW1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

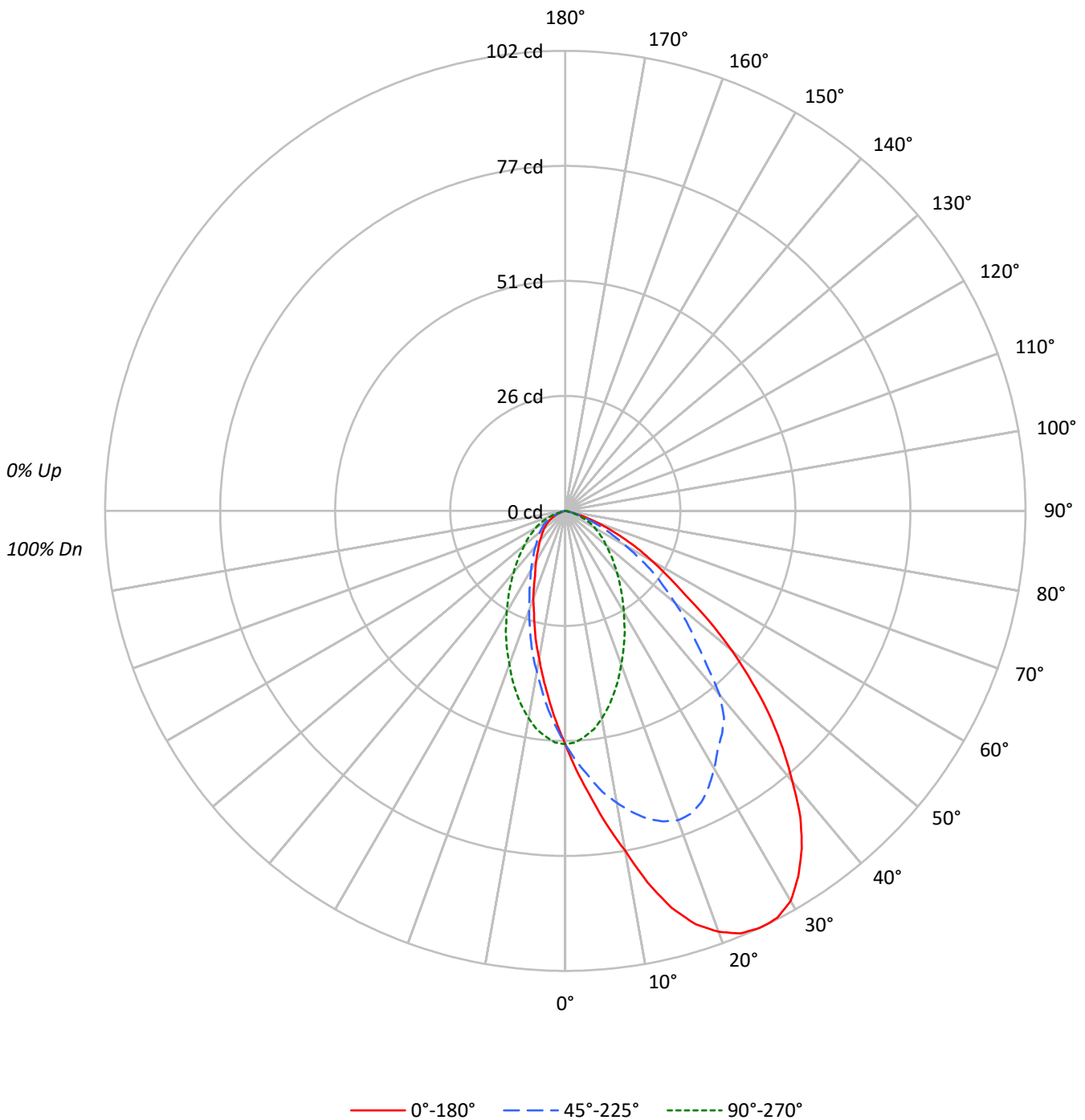
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 103.0 lumens
Efficiency: N/A
Efficacy: 35.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11337	11337	11337	11337	11337
5°	13955	12987	11050	9707	9201
10°	17034	14629	10398	8060	7415
15°	20681	16050	9489	6697	5971
20°	23172	17035	8447	5460	4830
25°	24679	17251	7500	4524	3823
30°	25295	16711	6583	3849	3266
35°	24467	16195	5782	3293	2811
40°	22413	15229	5095	2920	2519
45°	19847	12683	4528	2729	2264
50°	16443	10848	3991	2490	2081
55°	12387	9061	3670	2332	1912
60°	9736	6798	3333	2193	1667
65°	7264	4981	2906	1816	1349
70°	4680	3206	2052	1282	769
75°	1949	1694	1017	508	254
80°	379	379	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19847 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	4.8
10°-20°	14.1	13.7
20°-30°	20.6	20.0
30°-40°	22.5	21.8
40°-50°	19.5	18.9
50°-60°	13.0	12.7
60°-70°	6.7	6.5
70°-80°	1.6	1.6
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	39.7	38.5
0°-40°	62.2	60.3
0°-60°	94.7	91.9
0°-90°	103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	103.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	63	59	50	44	42	6
15°	91	71	42	30	26	26
25°	102	71	31	19	16	47
35°	91	60	22	12	10	57
45°	64	41	15	9	7	49
55°	32	24	10	6	5	30
65°	14	10	6	4	3	14
75°	2	2	1	1	0	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
2.5°	57.6	57.3	57.3	56.7	56.1	55.5	54.6	53.8	52.9	52.0	51.4
5°	63.4	63.7	63.4	62.2	60.8	59.0	57.3	55.2	53.2	51.4	50.2
7.5°	70.1	70.1	69.2	67.8	65.7	62.8	59.9	56.4	53.2	50.2	48.8
10°	76.5	76.5	75.1	72.7	69.5	65.7	61.6	57.0	52.6	48.5	46.7
12.5°	84.4	84.1	82.4	78.6	73.9	68.4	62.8	57.0	51.7	46.7	44.4
15°	91.1	90.9	88.5	83.8	77.7	70.7	63.1	56.4	50.0	44.4	41.8
17.5°	96.1	95.5	92.9	87.9	80.9	72.2	63.4	55.2	47.9	41.8	39.1
20°	99.3	99.0	96.1	90.3	82.7	73.0	63.1	53.8	45.9	39.1	36.2
22.5°	101.4	100.8	97.9	91.4	82.7	72.7	61.9	51.7	43.2	36.5	33.6
25°	102.0	101.7	98.2	91.1	81.8	71.3	60.2	49.7	40.6	33.9	31.0
26°	102.0	101.7	98.2	90.9	81.2	70.4	59.3	48.8	39.7	32.7	30.1
27.5°	101.7	101.4	97.6	90.0	80.0	68.9	57.6	47.0	38.0	31.3	28.3
30°	99.9	99.3	95.5	87.9	77.4	66.0	54.6	44.4	35.3	28.6	26.0
32.5°	96.1	95.5	91.4	84.4	74.5	62.8	51.4	41.5	32.7	26.0	23.7
35°	91.4	90.9	86.8	80.0	70.4	60.5	47.9	38.3	29.8	24.0	21.6
37.5°	85.6	84.7	81.2	74.2	65.4	57.8	45.0	35.1	27.2	21.6	19.6
40°	78.3	78.0	74.8	68.4	59.6	53.2	43.2	35.1	24.8	19.6	17.8
42.5°	71.3	70.7	67.8	62.2	54.3	46.4	38.0	33.6	23.1	17.5	16.1
45°	64.0	63.4	60.8	56.1	48.8	40.9	40.9	28.9	19.9	16.1	14.6
47.5°	56.1	55.5	53.5	50.0	43.5	36.5	29.8	23.7	18.1	14.3	13.1
50°	48.2	48.5	46.7	43.2	38.3	31.8	25.7	19.9	15.5	12.9	11.7
52.5°	40.3	40.0	38.9	36.5	33.0	27.5	21.9	16.9	13.4	11.4	10.8
55°	32.4	32.7	32.1	30.7	27.8	23.7	18.4	14.6	12.0	10.2	9.6
57.5°	26.9	27.2	26.0	25.1	22.8	19.3	15.2	12.3	10.2	9.1	8.5
60°	22.2	22.5	21.6	20.4	18.7	15.5	12.3	10.2	9.1	8.2	7.6
62.5°	18.1	17.8	17.2	16.1	14.6	12.3	9.9	8.5	7.6	7.0	6.7
65°	14.0	14.0	13.4	12.6	11.4	9.6	7.9	7.0	6.4	5.8	5.6
67.5°	10.5	10.5	9.9	9.3	8.2	7.0	6.1	5.6	5.3	4.7	4.4
70°	7.3	7.3	7.0	6.7	5.8	5.0	4.7	4.1	3.8	3.5	3.2
72.5°	4.7	4.7	4.7	4.1	3.8	3.2	3.2	2.9	2.6	2.3	2.3
75°	2.3	2.6	2.3	2.3	2.0	2.0	1.8	1.8	1.5	1.5	1.2
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
2.5°	50.8	50.0	49.4	48.5	47.9	47.3	47.0	46.7	46.7	46.7
5°	49.4	47.9	46.4	45.0	44.1	43.2	42.4	42.1	41.8	41.8
7.5°	47.6	45.3	43.2	41.5	40.0	39.1	38.3	37.7	37.4	37.4
10°	45.3	42.4	40.0	37.7	36.2	35.1	34.5	33.6	33.6	33.3
12.5°	42.7	39.1	36.5	34.5	33.0	31.6	30.7	30.1	29.8	29.8
15°	39.7	36.2	33.3	31.0	29.5	28.0	27.2	26.6	26.3	26.3
17.5°	36.8	33.0	30.1	27.8	26.3	24.8	24.0	23.4	23.4	23.1
20°	33.9	30.1	27.2	24.8	23.4	22.2	21.3	20.7	20.4	20.7
22.5°	31.3	27.5	24.5	22.5	20.7	19.6	18.7	18.4	18.1	18.1
25°	28.3	24.8	22.2	20.2	18.7	17.5	16.7	16.4	16.1	15.8
26°	27.5	24.0	21.3	19.3	17.8	16.7	16.1	15.5	15.2	15.2
27.5°	26.3	22.5	20.2	18.1	16.7	15.8	14.9	14.6	14.3	14.3
30°	23.7	20.4	18.1	16.4	15.2	14.0	13.4	13.1	12.9	12.9
32.5°	21.6	18.4	16.4	14.9	13.7	12.9	12.3	11.7	11.7	11.7
35°	19.6	16.7	14.9	13.4	12.3	11.4	11.1	10.8	10.5	10.5
37.5°	17.8	15.2	13.4	12.3	11.4	10.5	9.9	9.6	9.6	9.6
40°	16.1	14.0	12.3	11.1	10.2	9.6	9.1	8.8	8.8	8.8
42.5°	14.6	12.6	11.4	10.2	9.3	8.8	8.5	8.2	7.9	7.9
45°	13.4	11.7	10.2	9.3	8.8	8.2	7.6	7.3	7.3	7.3
47.5°	12.0	10.8	9.3	8.5	7.9	7.3	7.0	6.7	6.7	6.7
50°	11.1	9.9	8.8	7.9	7.3	6.7	6.4	6.1	6.1	6.1
52.5°	9.9	9.1	8.2	7.3	6.7	6.1	5.8	5.6	5.6	5.6
55°	9.1	8.2	7.3	6.7	6.1	5.6	5.3	5.0	5.0	5.0
57.5°	8.2	7.3	6.7	6.1	5.6	5.3	4.7	4.7	4.4	4.4
60°	7.3	6.4	5.8	5.6	5.0	4.7	4.1	3.8	3.8	3.8
62.5°	6.1	5.8	5.3	4.7	4.1	3.8	3.5	3.2	3.2	3.2
65°	5.3	5.0	4.4	3.8	3.5	3.2	2.9	2.6	2.6	2.6
67.5°	4.4	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.8	2.0
70°	3.2	2.9	2.6	2.3	2.0	1.8	1.5	1.5	1.2	1.2
72.5°	2.0	1.8	1.8	1.5	1.2	1.2	0.9	0.9	0.6	0.6
75°	1.2	1.2	0.9	0.9	0.6	0.6	0.3	0.3	0.3	0.3
77.5°	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)